

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 01306476  
PUBLICATION DATE : 11-12-89

APPLICATION DATE : 03-06-88  
APPLICATION NUMBER : 63136884

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INT.CL. : C09D 3/82 C09D 3/82 // C08K 3/22 C08L 83/02 C08L 83/04

TITLE : COATING COMPOSITION

ABSTRACT : PURPOSE: To obtain the title composition outstanding in adhesivity to substrates and resistance to scratch, hot water, light, acid, etc., of the coating film therefrom, for application on e.g., plastic products by incorporating silica fine granules in a partial condensate from each specific trialkoxy silane and tetra-alkoxysilane.

CONSTITUTION: The objective composition can be obtained by incorporating (A) 100 pts.wt. of a partial condensate of organosilicon compound ( $\text{RSiO}_{3/2} + \text{SiO}_2$ ) produced from A<sub>1</sub>: 100 pts.wt. of a trialkoxysilane of the formula  $\text{RSi}(\text{OR}')_3$  (R is C<sub>1-6</sub> hydrocarbon; R' is C<sub>1-6</sub> alkyl) and A<sub>2</sub>: 20-130 pts.wt. of a tetra-alkoxysilane of the formula  $\text{Si}(\text{OR}^2)_4$  (R<sup>2</sup> is C<sub>1-6</sub> alkyl) with (B) 0.05-200 pts.wt. of silica fine granules and, if needed, (C) 0.02-15 pts.wt. of titania fine granules.

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